AZDEN®
QUALITY YOU CAN HEAR

WORKING WIRELESS FOR WORKING PEOPLE

AZDEN®

For almost half a century Azden Corporation has been creating technologically advanced products. Our engineers use the latest in design and tooling technologies to create products which are built to exceed our specifications and to last well beyond the warranty period.

Started as an OEM manufacturer for most of the world's best-known quality brand names, in the past 18 years we've created our own brand identity, and a reputation for quality, integrity, and service.

Today's product line, as shown in this catolog, reflects the breadth of our microphone lineup. Whether you're a Broadcast professional, a Wedding and Event Videographer, a Sound Contractor, or a Hobbyist, there's an Azden microphone to fill your need.

For full specifications, prices, etc., we invite you to visit our web-site: azdencorp.com, **e-mail us at azdenus@aol.com, fax us at (516)-328-7506, or call us at (516)-328-7500.**

THE SGM-2X A PROFESSIONAL SUPERCARDIOID SHOTGUN MICROPHONE

Taking its place as one of the premier shotgun microphones around, it offers performance and features which exceed those of mics selling for hundreds of dollars more.

- **2 barrels — an 8 1/8" omni and extension barrel — to make it a 15 3/4" supercardioid**
- **Low noise (-50dB) • Wide bandwidth (100Hz-18kHz)**
- **Balanced low impedance (680ohm) XLR output • Switchable low-cut filter**
- **Integrated shockmount attaches to camera shoe or mic stand**
- **Connects to all Azden plug-in transmitters to become a wireless shotgun mic**
- **Includes 2 foam windscreens**
- **AAA battery and cable not included**

THE AZDEN 1000 SERIES — BROADCAST PROFESSIONAL

The sleek all new Azden 1000 Series, featuring the 1000URX receiver, 1000BT bodypack transmitter, and 1000XT plug-in transmitter, delivers performance and features usually associated with systems costing thousands more.

- 121 UHF channels (723-735MHz) user-selectable, with LCD readout.
- True diversity system with 2 complete front-ends and high-gain antennas.
- Proprietary DLC (Diversity Logic Control) circuitry for reduced dropouts.
- State-of-the-art dielectric filters throughout, for improved image rejection and superior diversity isolation
- High 5th order filters for improved S/N ratio.
- Multi-function LCD shows channel number and frequency, battery info, AF level, and diversity operation.
- Ultra small, lightweight, and externally powered.
- Mic/Line-out switchable, Earphone-out w/level control.
- Bodypack tramsmitter (1000BT) with reduced current-drain for improved battery life, is availble with Azden EX-503H, Sony ECM-44H or ECM-55H.
- Plug-in transmitter (1000XT) works with dynamic or phantom power mics.

The 1000URX receiver is also available with the Anton Bauer “Gold Mount”, as the 1000URX-AB

Note: Order cables specifically for your camera and battery configuration.

System prices start at $1350 MSRP

BROADCAST QUALITY UHF RECEIVERS

THE NEW 500UDR

Approximately 20% smaller in size than our highly regarded 400UDR, the new 500UDR is a natural for smaller digital cameras. And with 6 AA batteries instead of 4, you will get extended usage. All other features remain the same, including the same 63 user-selectable frequencies and the same transmitters: 41HT, 41BT, and 41XT

THE 400UDR

The "breakthrough" 400UDR was the first on-camera multi-channel UHF system to break the under $1000 price point, and the professional market has accepted it as perhaps the finest wireless microphone system in this price category. It's performance challanges that of systems selling for hundreds of dollars more.

FEATURES FOR 500UDR and 400UDR

- **63 User-selectable Frequencies (794-806Mhz)**
- **Crystal-controlled and PLL-Synthesized**
- **Tone-code squelch**
- **Dual antennas with BNC connectors**
- **XLR output with volume control**
- **Headphone Output with volume control**
- **Operates on 4 "AA" batteries or 12V DC**
- **LED indicators for a A or B antenna status, AF peak, Power On/Reception status**
- **Available microphone/transmitters with 63 User-selectable frequencies: 41HT, 41BT, 41XT**

PERFORMANCE SERIES UHF

In today's crowded RF world, you need multiple selectable frequencies to ensure the ability to find a clear channel. Both of these 63-channel user-selectable UHF systems offer superb rock-steady RF and sound performance, at a suprisingly low price.

RECEIVERS

411DRH HALF-RACK TRUE DIVERSITY RECEIVER
This half-rack version of the 411UDR has the added features of RF/Audio displays, ON/OFF switch, external squelch and rear-mounted antennas. One or two units can be rack-mounted with either the HR-1 or HR-2 adaptor kits, respectively

411UDR AC POWERED UHF RECEIVER
A crystal-controlled, PLL synthesized UHF receiver with 63 user-selectable channels in the 794-806Mhz band. It has both 1/4" and XLR output jacks, volume adjustment, and can be rack mounted with the 321RK kit.

TRANSMITTERS

41HT HANDHELD MICROPHONE/TRANSMITTER
Rugged metal body handheld, with supercardioid uni-directional microphone element, 63 user-switchable channels. It uses 2 AA alkaline batteries.

41XT XLR PLUG-IN TRANSMITTER
A frequency-agile transmitter which converts wired low-impedance mics into wireless. Usng a special "lock-down" XLR connector for a secure grip on your mic, the 41XT is powered by a standard 9V alkaline battery. It has separate Power On/Off (with LED indicator), Audio Standby switches, and a mic input level control with Peak indicator.

41BT BODYPACK TRANSMITTER
Offered with a variety of optional lavalier microphones, headset microphones, or as an instrument transmitter, the 41BT has a metal belt clip, and features an input level control, standby switch, and locking 4-pin hirose connector. (See accessory page for available mics and headsets)

PERFORMANCE SERIES VHF RECEIVERS

All Performance Series AC-powered receivers are housed in rugged cases for durability, available in a choice of 25 VHF frequencies in the 169–214 MHz range, and come with a 12V adaptor. The range of each system is approximately 300 feet.

311DRH HALF-RACK TRUE DIVERSITY RECEIVER

The half-rack version of the popular 311DR, the 311DRH has the added features of RF/Audio displays, ON/OFF switch, external squelch and rear mounted detachable antennas. One or two units can be rack mounted with either the HR-1 or HR-2 adaptor kits, respectively.

311DR TRUE DIVERSITY RECEIVER

The 311DR meets the professional's need for "rock steady" RF signal strength, less chance of drop-outs, and exceptional audio performance. With Power and A/B true diversity reception LEDs, 1/4" plus XLR output jacks and volume adjustment.

221R DISCRETE 2-CHANNEL RECEIVER

Designed to allow the use of two VHF microphones simultaneously, the 221R receiver has 2 complete receiver sets built into one case. With Power (red) to Receiving (green) LEDs, and two 1/4" output jacks with independent volume adjustments.

111R RECEIVER

The portable 111R receiver incorporates the following features: Balanced or unbalanced output capability, output volume adjustment, adjustable mute/squelch, removeable rubber-ducky antenna, 9V battery. Supplied with mini-to-mini output cable. Available optional cable: Stereo mini-to-XLR (MX-1).

The 111R is available with the following transmitters: 31LT, 31XT, 31HT and 32BT.

211R RECEIVER

Designed using the newest wireless technology the 211R delivers excellent RF performance even under adverse conditions, and audio quality formerly associated with much more expensive equipment. With Power (red) to Receiving (green) LEDs, and 1/4" output jack with volume adjustment.

THE 200R VHF RECEIVER

The result of our years of design and manufacturing experience in quality wireless, and is our new "value" leader. Housed in a durable ABS case, with Power On-Off, volume control, and available in 25 frequencies, it gives you excellent RF performance at an attractive price.

MICROPHONE/TRANSMITTERS

All of the transmitters on this page have been designed to work with the 311DRH, 311DR, 221R, 211R and 200R AC-powered receivers, as well as the PRODUCER SERIES 111R battery-powered VHF receiver. They are all available in the same 25 frequencies.

31XT PLUG-IN TRANSMITTER
This unique transmitter snaps into your favorite wired handheld dynamic mictophone (any metal-body with XLR connector) turning it into a wireless microphone!

31HT HANDHELD TRANSMITTER
Incorporating our own high quality uni-directional microphone element, the 31HT has a unique rubber coated durable ABS housing, 3-position Power switch with standby.

31IT INSTRUMENT TRANSMITTER
Fixed 1/4" cable for electric guitars and basses. Durable ABS housing, input level control for maximum flexibility, 3 position Power switch with Standby for muting.

32BT VHF BODYPACK TRANSMITTER
For use with all PERFORMANCE SERIES and PRODUCER SERIES receivers. Improvements over the 31LT include: on-off standby switch, power LED, mini locking 3.5mm jack and a metal belt clip. The lavalier microphone is designated: EX-503L

31LT LAVALIER BODYPACK TRANSMITTER
Featuring our EX-503 high quality omni-directional electret condenser microphone element, the 31LT also has an input level control, a durable ABS case with snap-off belt clip, and a 3-position Power switch with Standby for muting the audio. See accessory page for available microphones

VHF FREQUENCY CHART

CHANNEL	MEGAHERTZ	TV	CHANNEL	MEGAHERTZ	TV	CHANNEL	MEGAHERTZ	TV
A1	169.505	NONE	C2	184.025	8	D6	190.075	9
A3	171.045	NONE	C3	185.125	8	E1	194.400	10
A4	171.905	NONE	C4	181.850	8	E2	195.425	10
B1	175.400	7	C5	182.550	8	E3	196.800	10
B2	178.225	7	D1	187.800	9	E4	197.325	10
B3	179.200	7	D2	188.200	9	E5	193.825	10
B4	176.425	7	D3	190.600	9	E6	195.975	10
B5	177.650	7	D4	191.300	9			
C1	181.400	8	D5	189.325	9			

EVENT VIDEOGRAPHY

RECEIVERS

As the primary supplier of wireless microphones for Event and Wedding Videography, we have felt that it is our responsibility to develop products tailored to the specific needs of our professional customers.

Both receivers listed below use 9V alkaline batteries, come with mini-to-mini plug cables as standard, but users can purchase an optional AC adaptor. The operating frequencies are 169.445MHz and 170.245MHz.

WDR-PRO RECEIVER

A VHF "true diversity" receiver, designed to help the videographer to create quality audio, with less chance of dropouts. The nature of RF signals is such that they bounce off walls or structures, creating "deadspots", or sudden loss of signal. The WDR-PRO,with two complete receivers inside the case, and 2 antennas, has been designed to overcome this inherent problem. Both receivers are set to the same frequency, and the WDR-PRO's circuitry selects the receiver with the stronger signal from the microphone. Hence, less chance of dropouts. The LEDs on the WDR-PRO turn from red to green as one receiver and then the other receives a stronger signal. Optional mini-to-XLR cable is available.

WR22-PRO RECEIVER

A VHF "discrete" non-diversity receiver, the WR22-PRO allows you to use two wireless microphones simultaneously. Unlike the WDR-PRO, each receiver inside the case is set to a different frequency, allowing you to record the sound from 2 microphones at the same time. On-board controls allow you, the videographer, to monitor the signals being received and to stop receiving from either microphone if you wish

MICROPHONE TRANSMITTERS

WL/T-PRO-BELTPACK TRANSMITTER

(WM-PRO) with electret condenser omni-directional lavalier microphone (EX-503). 2 channel switchable. Uses 9V alkaline battery.

WM/T-PRO - HAND HELD MICROPHONE

with built-in transmitter. 2 channel switchable. Standby switch to mute audio. Rubberized coating for low handling noise. Uses 1 "AA" battery.

WX/T-PRO - PLUG-IN TRANSMITTER

Now you can convert your favorite dynamic microphone with XLR connector into a wireless. When combined with any AZDEN "PRO" Series receiver, this single frequency, plug-in transmitter (available on 169.445, 170.245,171.105, or 171.845MHz), gives you a high quality VHF system. Finally Videoraphers have a plug-in transmitter to use with their existing "PRO" series receivers.

ADDITIONAL FREQUENCIES!

The incredible success of the "PRO" Series among Professional Videographers has prompted us to add 2 additional frequencies, 171.105 & 171.845 to the most popular professional models, WR22-PRO & WDR-PRO receivers and the associated WL/T-PRO, WM/T-PRO, and the WX/T-PRO transmitters. These additiional VHF frequencies will not interfere with Azden's long-established 169.445 & 170.245MHz models. When ordering these frequencies, specify the "S" models.

“PRO” VIDEOGRAPHY SYSTEMS

For Professional videographers on a limited budget, schools, karaoke, and video hobbyists. These 2 channel switchable VHF systems, allow you to switch to the other channel if one is being used, or is noisy. The range is more than 200 feet. All receivers and transmitters in the “PRO” Series are on the same 2 frequencies (169.445MHz and 170.245MHz) and use the same circuitry, making them interchangeable, and allowing you to add to your system at any time.

WHX-PRO
A complete system which includes the WM/T-PRO self-contained handheld microphone/transmitter, and the WR-PRO receiver, which comes with both a shoe-mount and velcro. Standby switch on the microphone allows you to pass it around without “touch” noise.

WLX-PRO
A complete system which includes the WL/T-PRO, belt-pack transmitter (WM-PRO) with electret condenser lavalier microphone (EX-503), and the WR-PRO receiver, which comes with both shoe-mount and velcro.

WMS-PRO

THE “ALL-TIME” BEST SELLING WIRELESS MICROPHONE FOR VIDEOGRAPHY
This versatile system consists of the WM-PRO belt-pack transmitter, 2 plug-in electret condenser microphones, a lavalier (EX-503) and handheld (EX-413), and the WR-PRO receiver, which comes with both shoe-mount and velcro.

WIRED MICROPHONES & ACCESSORIES

ECZ-990
The pick-up pattern of the built-in microphone on camcorders is omni-directional, meaning that it picks up all sounds, in every direction equally, no matter which direction you point the camcorder. The ECZ-990 is a 6" long, directional, or “zoom” microphone with a super-cardioid pattern (ellipse shaped). This means that it will pick up your subject’s sound more clearly, reducing side noises. With 2 positions, narrow and wider, the ECZ-990 has a range of 35 feet, uses 1 AAA battery, and comes with a windscreen, shoe mount, and velcro.

CAM-3
This miniature 3 channel microphone-mixer allows you to add and mix sound from 3 microphone sources simultaneously. Only 3 1/4" x 1/4" x 2 1/8", it weighs only 3 ounces, uses no batteries, and can be attached to the camcorder or the handstrap.

For over 35 years Azden has been manufacturing microphone elements, complete microphones, and headphones under our own name and for many well-known brand names.

DX-580
Our best selling microphone, this uni-directional dynamic microphone with rugged die-cast aluminum housing is excellent for all vocal applications.

RECEIVER RACK KITS

321RK RACK KIT
For one 411UDR, one 311DR receiver or one 221R receiver

211RK RACK KIT
For 2 211R receivers

NOT SHOWN

HR-1 RACK KIT
For one 411DRH or one 311DRH receiver

HR-2 RACK KIT
For two 411DRH or two 311DRH receivers

LAVALIER MICROPHONES

EX-503
This basic omni-directional lavalier microphone combines good sound, durability and excellent sensitivity. Included with all VHF body-packs.

EX-505U
uni-directional lavalier microphone combines good sound and excellent feedback rejection.

ECM-44 and ECM-55
The popular Sony omni-directional lavalier mic works exceptionally well with Azden VHF and UHF bodypack systems.

HEADSET MICROPHONES

HS-9
Multi-purpose omni-directional headset mic provides good sound and a comfortable fit.

HS-11
High-quality uni-directional headset mic is ideal for volalists, DJs and aerobic instructers. It provides a secure, comfortable fit

HS-12
A comfortable, “behind the head” version of the HS-11

COLLAR AND SAX MICS

CM-20
A heavy-duty, adjustable collar microphone, ideal for those not wanting to use a headworn or clip-on microphone.

CXM-50
Excellent horn microphone by K&K handles the 140 dB SPL levels required for brass or woodwind instruments

NOT SHOWN
- MP-1 Instrument cable for 41BT
- BC-26 AC adaptor

NOTE: All microphones on this page terminate in either a mini plug for our VHF bodypack transmitters or a Hirose connector for our UHF bodypack transmitter.

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AZDEN RED

NO MORE RF INTERFERENCE

The situation in the already crowded VHF and UHF bands used by most wireless microphones is rapidly approaching chaos, as existing frequencies are re-allocated, giving priority to other users.

The new Azden "RED" Series of infrared wireless microphones is the solution for small space environments, such as: classrooms, small auditoriums, churches, conference/meeting rooms, and health clubs. It has been designed specifically for this market. And, unlike older infrared devices, today's generation can operate smoothly even in well lighted areas (but not outdoors). It is short-range, line of sight, and won't transmit through walls. You can now use an unlimited number of systems in the same building and not worry about frequency interference!

RECEIVER: Model IRR-20 is a 2-channel receiver, which allows you to use 2 microphones simultaneously, and has a built-in array of infrared sensors.

TRANSMITTERS: Model IRH-10 handheld has an emitter array at the base, and it uses 2 AA batteries with a 5 hour life. Model IRB-10 body-pack comes with a unique clip-on emitter and you can choose a lavalier mic, headset mic, or collar mic. It operates on 2 AA batteries with better than 5 hour life.

SENSORS: Using the optional ceiling or wall-mount sensors IRD-10 with 33 feet of wire, ensures that "line-of-sight" is maintained. Each additional mounted sensor allows you to expand the range of the system by as much as 33 feet in any direction.

IRR-10 RECEIVER:
The single channel IRR-10 has the same features as the IRR-20, but with only one channel, and is for those on a budget. Later, you can add a second receiver on another channel and get the same results as the IRR-20.

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